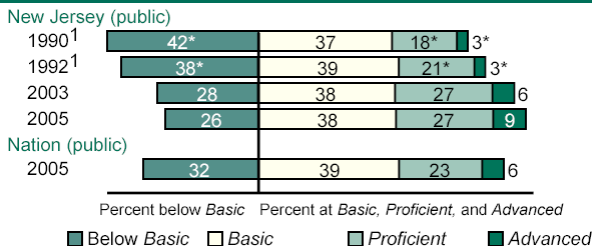


The National Assessment of Educational Progress (NAEP) assesses mathematics in five content areas: number properties and operations; measurement; geometry; data analysis and probability; and algebra. The NAEP mathematics scale ranges from 0 to 500.

Overall Mathematics Results for New Jersey

- In 2005, the average scale score for eighth-grade students in New Jersey was 284. This was not significantly different from¹ their average score in 2003 (281), and was higher than their average score in 1990 (270).
- New Jersey's average score (284) in 2005 was higher than that of the Nation's public schools (278).
- Of the 52 states and other jurisdictions² that participated in the 2005 eighth-grade assessment, students' average scale scores in New Jersey were higher than those in 24 jurisdictions, not significantly different from those in 23 jurisdictions, and lower than those in 4 jurisdictions.
- The percentage of students in New Jersey who performed at or above the NAEP *Proficient* level was 36 percent in 2005. This percentage was not significantly different from that in 2003 (33 percent), and was greater than that in 1990 (21 percent).
- The percentage of students in New Jersey who performed at or above the NAEP *Basic* level was 74 percent in 2005. This percentage was not significantly different from that in 2003 (72 percent), and was greater than that in 1990 (58 percent).

Student Percentage at NAEP Achievement Levels



¹ Accommodations were not permitted for this assessment.

NOTE: The NAEP mathematics achievement levels correspond to the following scale points: Below Basic, 261 or lower; Basic, 262–298; Proficient, 299–332; Advanced, 333 or above.

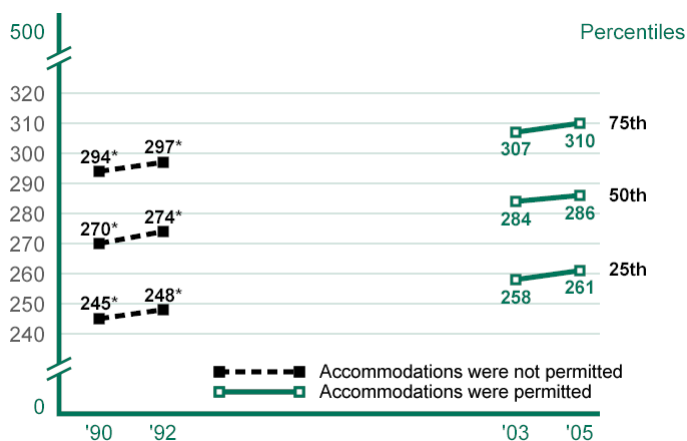
Performance of NAEP Reporting Groups in New Jersey

Reporting groups	Percent of students	Average score	Percent below Basic	Percent of students at or above Basic	Percent Proficient	Percent Advanced
Male	51	286	25	75	39	10
Female	49	282	27	73	33	7
White	57	295	15	85	47	12
Black	20	260	50	50	11	1
Hispanic	15	264	42	58	15	1
Asian/Pacific Islander	7	309	8	92	63	24
American Indian/Alaska Native	#	‡	‡	‡	‡	‡
Eligible for free/reduced-price school lunch	27	262	46	54	14	1
Not eligible for free/reduced-price school lunch	68	292	19	81	44	11

Average Score Gaps Between Selected Groups

- In 2005, male students in New Jersey had an average score that was not found to be significantly different from that of female students. In 1990, there was no significant difference between the average score of male and female students.
- In 2005, Black students had an average score that was lower than that of White students by 35 points. In 1990, the average score for Black students was lower than that of White students by 38 points.
- In 2005, Hispanic students had an average score that was lower than that of White students by 30 points. In 1990, the average score for Hispanic students was lower than that of White students by 37 points.
- In 2005, students who were eligible for free/reduced-price school lunch, an indicator of poverty, had an average score that was lower than that of students who were not eligible for free/reduced-price school lunch by 30 points. In 2003, the average score for students who were eligible for free/reduced-price school lunch was lower than the score of those not eligible by 34 points.
- In 2005, the score gap between students at the 75th percentile and students at the 25th percentile was 49 points. In 1990, the score gap between students at the 75th percentile and students at the 25th percentile was 49 points.

Mathematics Scale Scores at Selected Percentiles



Scores at selected percentiles on the NAEP mathematics scale indicate how well students at lower, middle, and higher levels of the distribution performed.

The estimate rounds to zero.

‡ Reporting standards not met.

* Significantly different from 2005.

↑ Significantly higher than 2003. ↓ Significantly lower than 2003.

¹ Comparisons (higher/lower/not different) are based on statistical tests. The .05 level was used for testing statistical significance. Performance comparisons may be affected by differences in exclusion rates across years for students with disabilities (3% nationally in 2005) and English language learners (1% nationally in 2005) in the NAEP samples. Statistical comparisons are calculated on the basis of unrounded scale scores or percentages.

² "Other Jurisdictions" refers to the District of Columbia and the Department of Defense Education Activity schools.

NOTE: Detail may not sum to totals because of rounding and because the "Information not available" category for free/reduced-price lunch and the "Unclassified" category for race/ethnicity are not displayed. Visit <http://nces.ed.gov/nationsreportcard/states/> for additional results and detailed information.

SOURCE: U.S. Department of Education, Institute of Education Sciences, National Center for Education Statistics, National Assessment of Educational Progress (NAEP), selected years, 1990–2005 Mathematics Assessments.